For service questions, call Vornado at 800-234-0604
For sales inquiries, call Sylvane at 800-934-9194 or visit www.sylvane.com

Vornado Air, LLC
415 East 13th Street, Andover, Kansas 67002
800.234.0604 | www.vornado.com

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www.sylvane.com 1-800-934-9194

VORNADO®

READ AND SAVE THESE IMPORTANT INSTRUCTIONS

Whole Room Heater Owner's Guide

www.vornado.com

MODEL TVH600

Designed, engineered and supported in Andover, Kansas.

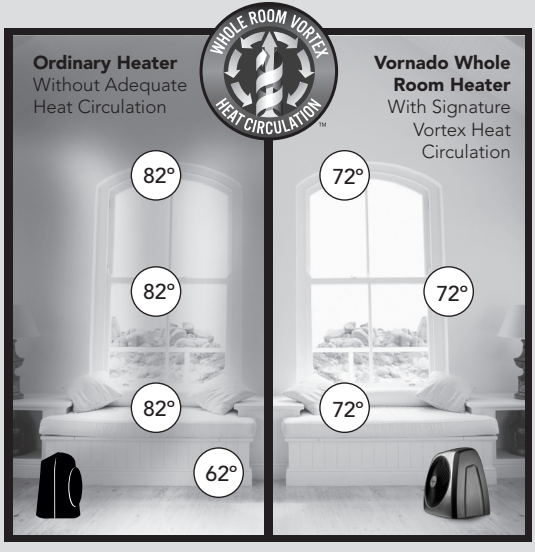
Questions or comments?
¿Prequntas o comentarios?

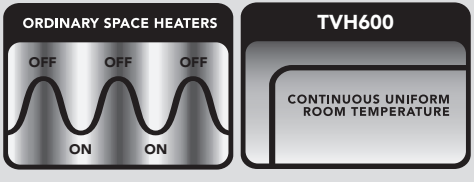
www.vornado.com

consumerservice@vornado.com

800.234.0604

VORNADO® VORTEX ACTION





Ordinary heaters provide only localized heat. Heat immediately rises to the ceiling, resulting in cold and hot spots in the room. Vornado's unique Vortex Action delivers continuous, uniform heat surrounding everyone in the room in a warm, comfortable temperature.

TRUST

It is said that trust isn't given, but earned. For decades Vornado has been earning the trust of our customers by offering them only the best. Vornado provides the highest level of performance, coupled with the highest level of support available. Complete satisfaction with no exceptions – this is Vornado's promise to you. If you are not satisfied for any reason, please contact us. Knowledgeable representatives are available at 1-800-234-0604 from 8:00 AM to 5:00 PM CST. A wealth of additional support is also available online at www.vornado.com. On behalf of myself and the entire staff at our Andover, Kansas headquarters – thank you for selecting Vornado.

Sincerely,
Bill Phillips
CEO, Vornado Air

LEADERS IN AIRFLOW TECHNOLOGY™

Products and support are available online at www.vornado.com

ZIPPI™

FLIPPI™

WHOLE ROOM AIR CIRCULATORS

WHOLE ROOM HUMIDIFIERS

TOWER CIRCULATORS

WHOLE ROOM HEATERS

IMPORTANT INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THIS HEATER.

Please visually inspect all internal and external components before connecting to electric current. If any damage is found, DO NOT USE THIS UNIT and contact Vornado Air LLC at 1-800-234-0604.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

- Read all instructions before using this heater.
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Use handles when moving this heater. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9 m) from the front of the heater and keep them away from the sides and rear.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- Always unplug heater when not in use.
- Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Discard heater, or return to authorized service facility for examination and/or repair.
- Do not use outdoors.
- This heater is not intended for use in bathrooms, laundry areas and similar indoor locations. Never locate heater where it may fall into a bathtub or other water container.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.
- To disconnect heater, turn controls to off, then remove plug from outlet.
- Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint, or flammable liquids are used or stored.
- Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip). Operate this heater only in its upright position.

- Do not operate this heater on an elevated surface such as a shelf or desktop. Use only while placed on the floor.
- This heater is equipped with a thermal safety shut-off system, designed to turn off the heater when an internal overheating condition is detected (see How To Use "RESETTING YOUR VORNADO HEATER," to determine how to check and reset the heater).
- Do not operate this product with any electronic speed-control device on the same circuit.
- Do not use heater to dry human or animal hair/fur or articles of clothing.
- This heater operates with an infrared remote control. Interference between this remote and other remote-control-operated electrical appliances in your home is possible.
- This product is equipped with a 3-prong plug, with a grounding pin as a safety feature. To reduce the risk of electric shock, this plug is intended to connect to properly grounded outlets only. This plug will fit into a grounded outlet only one way. Do not alter the plug. Do not attempt to defeat this safety purpose of the grounding plug.
- This product must be grounded. If the product malfunctions, grounding provides a path of least resistance for the electric current to reduce the risk of electric shock. The 3-prong plug must be inserted into a grounded outlet that has been properly installed in accordance with all electric codes and ordinances. If you are in doubt as to whether or not an outlet is properly grounded, contact a qualified electrician.
- This heater is for use on 120 volts. The cord has a plug as shown at A in Figure 65.1. An adapter as shown at C is available for connecting three-blade grounding-type plugs to two-slot receptacles. The green grounding lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box. The adapter should not be used if a three-slot grounded receptacle is available.

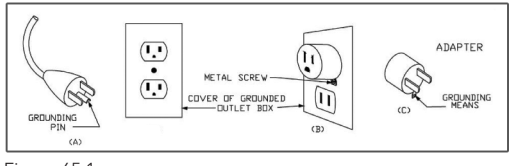


Figure 65.1

SAVE THESE INSTRUCTIONS

HOW TO USE

REMOTE CONTROL QUICK START GUIDE

Step 1 Remove static cling decal from the Heater Touch Screen Display.

Step 2 Plug Heater into approved wall outlet. DO NOT turn Heater on.

Step 3 Place 2 AA batteries (included) into Remote. Aim Remote at Heater. Recommended to be within 3 feet for programming the Heater.

Step 4 Press and hold the Remote POWER button for approximately 3 seconds, until display flashes one time. The Remote now has generated a new communication signal.

Step 5 Press and hold the Heater POWER button for approximately 3 seconds, until the display begins to flash. The Heater is now ready to recieve the new communication signal.

Step 6 Press the Remote Mode button one time. The Heater display will stop flashing and glow solid. The Remote and Heater are now linked.

Step 7 Set the Heater to desired heat setting, temperature setting and timer duration. The Remote does not need to be programmed for the Heater to function properly using only the main touch-screen display.

Note: You should only need to set up the connection one time upon first use of your Heater. If for some reason the Remote loses its connection – repeat the Remote Control Quick Start Instructions.

REMOTE POWER BUTTON
Press and hold for 3 seconds

HEATER DISPLAY POWER BUTTON
Press and hold for 3 seconds

REMOTE MODE BUTTON
Press Once

SMART REMOTE TEMPERATURE SENSOR

This innovation incorporates continuous monitoring of the temperature at the location of the remote. This temperature reading is then transmitted back to the base unit. The TVH600 automatically adjusts heat output and fan speed to meet and maintain the desired temperature set. The benefit of this technology is when you position the Smart Remote Temperature Sensor near you, the heater will automatically adjust to meet your desired temperature at that location.The base unit will always attempt to operate using the sensor information from the remote, if a signal cannot be obtained, the base unit will function on its own.

Fully control the TVH 600 remotely with the Smart Remote Temperature Sensor with illuminated screen. Turn the unit ON and OFF, select mode - FAN ONLY, LOW HEAT or HIGH HEAT, adjust the desired set temperature up or down, and set the automatic-off timer, all from up to 30 feet away. As you adjust the remote, the base unit will “beep” to indicate it has received your signal. The screen-light will dim after just a few seconds, to minimize room illumination. The Remote does not require “line-of-site” to operate.

Illuminated Touch Screen
Innovative and easy to use, the Touch Screen provides complete control at the base unit. Just touch the screen to “wake-up” or turn on the screen. Follow the intuitive display and touch the screen to adjust mode, desired temperature, and timer. The Timer can be set to turn the unit off automatically in hour intervals up to 9 hours. The screen-light will dim after just a few seconds to minimize room illumination. Both the remote and the base unit feature one-button ON/OFF control.

Automatic Climate Control
With this unique technology, the TVH 600 does not cycle on and off like most ordinary heaters, but uses continuous variable heat and air output to maintain the set temperature. This allows the unit to often run on less than high power, minimizing noise and energy use,
all while maintaining your set comfort level.

TVH600 OPERATING CONTROLS

Plug into a standard grounded wall outlet.

Press the POWER button to turn on the Heater.

Position the TVH 600 so the vortex beam of warm air is directed across the room unobstructed.

Using the touch screen, select the mode you wish to use, LOW heat, HIGH heat, or FAN ONLY.

Turn off after use.

TVH 600 TOUCH SCREEN CONTROLS

SMART REMOTE TEMPERATURE SENSOR

TVH 600 TOUCH SCREEN CONTROLS

POWER BUTTON

Press to turn unit ON or OFF, red light illuminates when power is ON.

HEAT MODE

To select the heat level you desire, press HIGH HEAT for up to 1500 watts, or LOW HEAT for up to 750 watts of maximum power.

FAN ONLY MODE

Select FAN ONLY mode to operate the heater with no heat.

SET TEMPERATURE

To select the desired room temperature, press the [+] or [–] to raise or lower the temperature by one degree at a time.

ROOM TEMPERATURE

The Touch Screen also indicates room temperature. The temperature displayed is the approximate temperature at the location of the Smart Remote. The base unit will always attempt to operate using the sensor information from the Remote, if a signal cannot be obtained, the base unit will function on its own. (See Smart Remote Temperature Sensor below.)

TIMER

The timer function allows you to set the unit to automatically turn off in one-hour intervals up to 9 hours. Press the [+] to add hours of operation, or the [–] to remove hours of operation. The unit will completely shut off when the set time has expired.

SOUND

When a setting is changed you will hear a “beep” to indicate that a setting has been changed.

LCD DISPLAY

Display window will be illuminated when adjustments are being made, and the illumination will dim after adjustments are complete.

SMART REMOTE TEMPERATURE SENSOR

Fully control the TVH 600 with the Smart Remote. All adjustments made with the Remote will be indicated with a “beep” from the unit to notify you that the change has been received.

POWER

Press the ON/OFF button to turn the unit ON or OFF.

HEAT MODE

Press the HEAT UP or HEAT DOWN arrows to adjust heat settings one degree at a time.

TIMER

Press the TIMER UP or TIMER DOWN arrows to adjust timer by one hour at a time.

MODE

Press the center MODE button to select HIGH HEAT, LOW HEAT or FAN ONLY.

BATTERY REPLACEMENT

Screen will indicate when the batteries need to be replaced. The Remote requires 2 AA batteries. To replace the batteries remove the cover located on the bottom side of the remote. Note: The SMART REMOTE SENSOR sends frequent signals to the base unit; this uses more power than ordinary remotes so more frequent battery replacement will be required.

CARE & MAINTENANCE

- Your heater has no user serviceable parts. Do not disassemble the unit – it will void your warranty. If service is required, return your heater to Vornado (see Warranty section).
- The motor is permanently lubricated and requires no oiling.
- Because your heater moves a substantial amount of air, it will require regular cleaning. Be sure to unplug the unit prior to any cleaning activity. Use a vacuum cleaner with the brush attachment to clean any accumulated dust on the front grill and the side air inlets.
- During the off-season or extended periods of non-use, store your heater. Unplug the unit and bundle the cord. Save the plastic bag the heater was shipped in so you can cover the unit and minimize settling dust.

RESETTING YOUR VORNADO HEATER

Your Vornado Heater has a multi-level safety shut-off system designed to prevent overheating. Overheating may occur when the inlets or outlet are blocked, a foreign object prevents the blade from turning, or the appliance tips over. If this happens, the safety shut-off system will cut power to the heat element and you will need to manually reset the heater.

1. Set the POWER switch to OFF and unplug the unit.
2. Remove any obstructions.
3. Wait 5–10 minutes, allowing the unit to cool down.
4. Plug in the unit and place in desired position.
5. Set the POWER switch to ON. Your Vornado Heater should now function normally.

   If the safety shut-off system repeatedly shuts off your heater or if it will not reset after following the above procedure, DO NOT ATTEMPT TO DISASSEMBLE THE UNIT. Call Vornado Consumer Services Department toll-free at 1-800-234-0604.

OPERATING TIPS

The SMART REMOTE SENSOR can be turned off to save battery life or to stop the remote from sending information to the base unit. Slide switch on the back of the remote to the OFF position to turn the remote off, slide the switch to ON position to allow the remote to send signals.

The SMART REMOTE SENSOR uses RF (radio frequency) to send the signals, so line-of-sight is not required for the unit to function. However, to obtain the best remote temperature sensing, position the remote where it can sense an accurate temperature. Setting the remote too close to other heat sources, even under a warm lamp or in your lap, will cause the remote to sense the temperature as warmer than the air. Inversely, setting the remote too close to cold drafty areas, like a cold window or door, will cause the remote to sense the temperature in the room as cooler. Placing the remote in a drawer or other similar locations will not allow the unit to sense the true typical temperature. Be sure to place the remote out in the open.

Note: Even though the remote sensor may send a signal for additional heat, the Remote Temperature Sensor cannot put the Heater into an unsafe heat mode. Performance is always limited by maximum power settings and multi-level safety shut-off systems. The remote is not a toy and should only be used in the prescribed manor intended for the use of this heater.

Note: If a room is very large or has too much heat loss, the heater may not be able to obtain the desired set temperature at the remote, even with the unit running continuously. To properly carry the heater, place one hand in the back handle opening and use your other hand to hold from the front.

In smaller areas, you might prefer to set the unit in LOW HEAT mode. In larger spaces you might prefer to set the unit on HIGH HEAT mode. A vortex beam of air will gently keep the air circulating in the room for even, uniform heating.

To use the TVH 600 as a personal fan, press the “FAN ONLY” mode on the touch screen. The TVH 600, like any other 1500-watt electric heater, draws up to 12.5 amps of electric current. If using your TVH 600 on HIGH heat setting causes your home circuit breaker or fuse to trip, we offer the following suggestions:

1. Try turning off other electrical appliances that run on the same electrical circuit as your TVH 600.
2. Run the TVH 600 on LOW HEAT mode.
3. Have your electrician add an additional circuit to your homes electrical system.

ALWAYS USE COMMON SENSE WHEN USING THIS AND/OR ANY ELECTRICAL APPLIANCE.

ADVANCED SAFETY FEATURES

TIGHT GRILL SPIRALS
Resists curious fingers.

COOL TOUCH CASE
Safe to touch, even on high heat setting.

AUTOMATIC SAFETY SHUT OFF SYSTEM
If airflow becomes blocked and overheating occurs, power to the heating element and fan is shut off.

TIP-OVER PROTECTION
If tipped over, power to the heating element and fan motor is reduced to prevent overheating.

IDEAL 120°F EXIT AIR TEMPERATURE
Warm enough to heat an entire room.

GROUNDED HEAVY-DUTY POWER CORD
Adds durability and a more secure wall connection.

VORNADO AIR LLC

5-YEAR LIMITED WARRANTY

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser that this TVH600 heater ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost if the Product is returned to Vornado postage-paid. Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commercial use of the Product, damages which occur in shipment or are attributed to acts of God.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For warranty or repair service, call 1-800-234-0604 or email consumerservice@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service. You may be required to provide the original sales receipt. For your records:

Staple or attach your original sales receipt to this Owner's Guide. Please also write your Product's serial number below (located on product specs decal).

Serial No._____

After receiving the RA form, ship your Product to:

Vornado Air LLC
Attn: Warranty & Repair
415 E. 13th Street
Andover, KS 67002

To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.

Please allow 1-2 weeks for repair and return of your Product after the Product is received.

Product registration available online at www.vornado.com.
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VORNADO CONSUMER SERVICES

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